

NAME/KEY: misc_feature
LOCATION: 4574..8144
OTHER INFORMATION: /note- "N-linked glycosylation"
OTHER INFORMATION: sites at following locations: 4559, 4574, 4631, 4763.
FEATURE:
NAME/KEY: misc_feature
LOCATION: 8363..11741
OTHER INFORMATION: /note- "N-linked glycosylation"
OTHER INFORMATION: sites at following locations: 8471, 8663, 8732, 8843.
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LOCATION: 7949..8009
OTHER INFORMATION: /note- "Predicted transmembrane"
OTHER INFORMATION: domain.
FEATURE:
NAME/KEY: misc_feature
LOCATION: 8288..8348
OTHER INFORMATION: /note- "Predicted transmembrane"
OTHER INFORMATION: domain.
FEATURE:
NAME/KEY: misc_feature
LOCATION: 9434..9494
OTHER INFORMATION: /note- "Predicted transmembrane"
OTHER INFORMATION: domain.
FEATURE:
NAME/KEY: misc_feature
LOCATION: 10052..10112
OTHER INFORMATION: /note- "Predicted transmembrane"
OTHER INFORMATION: domain.
FEATURE:
NAME/KEY: misc_feature
LOCATION: 10178..10238
OTHER INFORMATION: /note- "Predicted transmembrane"
OTHER INFORMATION: domain.
FEATURE:
NAME/KEY: misc_feature
LOCATION: 10886..10946
OTHER INFORMATION: /note- "Predicted transmembrane"
OTHER INFORMATION: domain.
FEATURE:
NAME/KEY: misc_feature
LOCATION: 10955..11015
OTHER INFORMATION: /note- "Predicted transmembrane"
OTHER INFORMATION: domain.
FEATURE:
NAME/KEY: misc_feature
LOCATION: 11216..11276
OTHER INFORMATION: /note- "Predicted transmembrane"
OTHER INFORMATION: domain.
FEATURE:
NAME/KEY: misc_feature
LOCATION: 11894..11954
OTHER INFORMATION: /note- "Predicted transmembrane"
OTHER INFORMATION: domain.
FEATURE:
NAME/KEY: misc_feature
LOCATION: 12293..12353
OTHER INFORMATION: /note- "Predicted transmembrane"
OTHER INFORMATION: domain.
FEATURE:
NAME/KEY: misc_feature
LOCATION: 12377..12437
OTHER INFORMATION: /note- "Predicted transmembrane"
OTHER INFORMATION: domain.
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NAME/KEY: misc_feature
LOCATION: 212..278
OTHER INFORMATION: /note- "Possible hinge sequence"
OTHER INFORMATION: domain.
FEATURE:
NAME/KEY: misc_feature
LOCATION: 279
OTHER INFORMATION: /note- "Cleavage site"

US-09-052-469-7

Query Match 100.0%; Score 16; DB 4; Length 14148;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGCGGGCGGCATCGT 16
DB 224 CGCGGGCGGCATCGT 209
RESULT 4
US-08-323-443B-1
; Sequence 1, Application US/08323443B
; Patent No. 5654170
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W.
; APPLICANT: LANDES, GREGORY M.
; APPLICANT: BURN, TIMOTHY C.
; APPLICANT: CONNORS, TIMOTHY D.
; APPLICANT: DACKOWSKI, WILLIAM R.
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Darby & Darby PC
; STREET: 805 Third Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/323.443B
; FILING DATE: 12-OCT-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, S. Peter
; REGISTRATION NUMBER: 25,351
; REFERENCE/DOCKET NUMBER: 0372/OA462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 527-7700
; TELEFAX: (212) 753-6237
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31571 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: PKD1 GENOMIC
; US-08-323-443B-1

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Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 3273 CGCGGGCGGCATCGT 3289

RESULT 5
US-08-658-136-2/c
; Sequence 2, Application US/08658136

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Best Local Similarity 100.0%; Pred. No. 0.72;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCGCTGTGGCGAAGG 19

DB 3599 GGTGGCGCTGTGGCGAAGG 3581

RESULT 2

US-08-658-136-2

Sequence 2, Application US/08658136

Patent No. 6071717

GENERAL INFORMATION:

APPLICANT: KLINGER, KATHERINE W

APPLICANT: LANDES, GREGORY M

APPLICANT: BURN, TIMOTHY C

APPLICANT: CONNORS, TIMOTHY D

APPLICANT: DACKOWSKI, WILLIAM

APPLICANT: GERMINO, GREGORY

APPLICANT: QIAN, FENG

TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE

NUMBER OF SEQUENCES: 58

CORRESPONDENCE ADDRESS:

ADDRESSEE: GENZYME CORPORATION

STREET: ONE MOUNTAIN ROAD

CITY: FRAMINGHAM

STATE: MASSACHUSETTS

COUNTRY: USA

ZIP: 01701

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/658,136

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: LASSEN, ELIZABETH

REGISTRATION NUMBER: 31,845

REFERENCE/DOCKET NUMBER: GEN#-17.8

TELECOMMUNICATION INFORMATION:

TELEPHONE: 508-872-8400

TELEFAX: 508-872-5415

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 53526 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-658-136-2

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Best Local Similarity 100.0%; Pred. No. 0.73;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 3334 GGTGGCGCTGTGGCGAAGG 3352

RESULT 3

US-08-658-136-1

Sequence 1, Application US/08658136

Patent No. 6071717

GENERAL INFORMATION:

APPLICANT: KLINGER, KATHERINE W

APPLICANT: LANDES, GREGORY M

APPLICANT: BURN, TIMOTHY C

APPLICANT: CONNORS, TIMOTHY D
APPLICANT: DACKOWSKI, WILLIAM
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG

TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE

NUMBER OF SEQUENCES: 58

CORRESPONDENCE ADDRESS:

ADDRESSEE: GENZYME CORPORATION

STREET: ONE MOUNTAIN ROAD

CITY: FRAMINGHAM

STATE: MASSACHUSETTS

COUNTRY: USA

ZIP: 01701

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/658,136

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: LASSEN, ELIZABETH

REGISTRATION NUMBER: 31,845

REFERENCE/DOCKET NUMBER: GEN#-17.8

TELECOMMUNICATION INFORMATION:

TELEPHONE: 508-872-8400

TELEFAX: 508-872-5415

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 53577 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-658-136-1

Query Match 100.0%; Score 19; DB 3; Length 53577;
Best Local Similarity 100.0%; Pred. No. 0.73;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGGCGCTGTGGCGAAGG 19

DB 3334 GGTGGCGCTGTGGCGAAGG 3352

RESULT 4

US-08-998-416-1115

Sequence 1115, Application US/08998416

Patent No. 6239264

GENERAL INFORMATION:

APPLICANT: Philippsen, Peter

APPLICANT: Pohlmann, Rainer

APPLICANT: Steiner, Sabine

APPLICANT: Mohr, Christine

APPLICANT: Wendland, Jurgen

APPLICANT: Knechtle, Philipp

APPLICANT: Rebschung, Corinne

TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPII

TITLE OF INVENTION: AND USES THEREOF

NUMBER OF SEQUENCES: 1152

CORRESPONDENCE ADDRESS:

ADDRESSEE: No. 6239264artis Corporation

STREET: 3054 Cornwallis Road

CITY: Research Triangle Park

STATE: No. 6239264th Carolina

COUNTRY: USA

ZIP: 27709

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

GenCore version 5.1.1.3
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OM nucleic - nucleic search, using sw model

Run on: January 31, 2003, 18:57:08 : Search time 25.1333 Seconds
(without alignments)
317.252 Million cell updates/sec

Title: US-09-904-968A-4
Perfect score: 26
Sequence: 1 ccacctcgcgcctccctccttaagcat 26
Scoring table: IDENTITY_NUC
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Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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11	17.6	67.7	8000	4	US-09-415-868-102
12	17.6	67.7	8000	4	US-09-415-900-101
13	17.6	67.7	8000	4	US-09-415-900-102
14	17.6	67.7	8000	4	US-08-801-263A-8
15	17.6	67.7	11703	3	US-09-102-248-8
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27	17.6	67.7	16656	4	US-09-350-399-1

28	17.6	67.7	16656	4	US-09-236-140A-1
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31	16.6	63.8	176373	3	US-09-128-153-17
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34	16.4	63.1	3330	1	US-08-149-103-1
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ALIGNMENTS

RESULT 1
US-08-323-443B-1
: Sequence 1, Application US/08323443B
: Patent No. 5654170
: GENERAL INFORMATION:
: APPLICANT: KLINGER, KATHERINE W.
: APPLICANT: LANDES, GREGORY M.
: APPLICANT: BURN, TIMOTHY C.
: APPLICANT: CONNORS, TIMOTHY D.
: APPLICANT: DACKOWSKI, WILLIAM R.
: APPLICANT: GERMINO, GREGORY
: APPLICANT: QIAN, FENG
: TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
: NUMBER OF SEQUENCES: 8
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Darby & Darby PC
: STREET: 805 Third Avenue
: CITY: New York
: STATE: NY
: COUNTRY: USA
: ZIP: 10022
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/323.443B
: FILING DATE: 12-OCT-1994
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Ludwig, S. Peter
: REGISTRATION NUMBER: 25,351
: REFERENCE/DOCKET NUMBER: 0372/OA462
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (212) 527-7700
: TELEFAX: (212) 753-6237
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 31571 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: HYPOTHEetical: NO
: ORIGINAL SOURCE:
: ORGANISM: Homo sapiens
: IMMEDIATE SOURCE:
: CLONE: PKD1 GENOMIC
US-08-323-443B-1

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Best Local Similarity 100.0%; Pred. No. 0.0037;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 1 CCACCTCATCGCCCTTCCTAAGCAT 26
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b 2619 CCACCTCATCGCCCTTCCTAAGCAT 2644

RESULT 2
S-08-658-136-2/c
Sequence 2, Application US/08658136
Patent No. 6071717
GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W
APPLICANT: LANDES, GREGORY M
APPLICANT: BURN, TIMOTHY C
APPLICANT: CONNORS, TIMOTHY D
APPLICANT: DACKOWSKI, WILLIAM
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENZYME CORPORATION
STREET: ONE MOUNTAIN ROAD
CITY: FRAMINGHAM
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 01701
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/658,136
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: LASSEN, ELIZABETH
REGISTRATION NUMBER: 31,845
REFERENCE/DOCKET NUMBER: GEN4-17.8
TELEPHONE: 508-872-8400
TELEFAX: 508-872-5415
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 53577 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-658-136-1

Query Match      100.0%; Score 26; DB 3; Length 53577;
Best Local Similarity 100.0%; Pred. No. 0.004;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 4314 CCACCTCATCGCCCTTCCTAAGCAT 4289

RESULT 4
US-09-415-784-101
Sequence 101, Application US/09415784
Patent No. 6391632
GENERAL INFORMATION:
APPLICANT: Dubensky Jr., Thomas W.
          Polo, John M.
          Belli, Barbara A.
          Schlesinger, Sandra
          Dryga, Sergey A.
          Frolov, Ilya
TITLE OF INVENTION: RECOMBINANT ALPHAVIRUS-BASED VECTORS
                  WITH REDUCED INHIBITION OF CELLULAR MACRO-MOLECULAR
                  SYNTHESIS
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property Law Group PLLC
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: January 31, 2003, 18:57:08 ; Search time 28.0333 Seconds
(without alignments)
317.252 Million cell updates/sec

Title: US-09-904-968A-3

Perfect score: 29

Sequence: 1 ccacccaccctgtgtgtgacctggttaatt 29

Scoring table: IDENTITY_NUC

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Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	29	100.0	53526	3	Sequence 2, Appli
3	29	100.0	53577	3	Sequence 1, Appli
4	18.4	63.4	720	3	Sequence 3, Appli
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8	18.4	63.4	152331	3	Sequence 16, Appli
9	18.4	63.4	176373	3	Sequence 17, Appli
10	18	62.1	246240	2	Sequence 20, Appli
11	18	62.1	246240	2	Sequence 21, Appli
12	18	62.1	246240	2	Sequence 22, Appli
13	17.8	61.4	357	4	Sequence 1, Appli
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19	17.8	61.4	1207	5	Sequence 3, Appli
20	17.8	61.4	2703	2	Sequence 1, Appli
21	17.8	61.4	2703	4	Sequence 4, Appli
22	17.8	61.4	2742	3	Sequence 16, Appli
23	17.8	61.4	2742	4	Sequence 16, Appli
24	17.8	61.4	2742	4	Sequence 16, Appli
25	17.8	61.4	12886	4	Sequence 14, Appli
26	17.8	61.4	17612	3	Sequence 29, Appli
27	17.8	61.4	17612	4	Sequence 29, Appli

28	17.8	61.4	17612	4	US-09-479-453-29
29	17.4	60.0	1821	4	US-09-149-476-90
30	17.4	60.0	2440	4	US-09-513-007-1
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35	17	58.6	108	2	US-08-912-129A-18
36	17	58.6	546	4	US-09-643-597-129
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ALIGNMENTS

RESULT 1
US-08-323-443B-1
Sequence 1, Appli
Patent No. 5,351,773
GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W.
APPLICANT: LANDES, GREGORY M.
APPLICANT: BURN, TIMOTHY C.
APPLICANT: CONNORS, TIMOTHY D.
APPLICANT: DACKOWSKI, WILLIAM R.
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: NEW YORK
STATE: NY
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/323,443B
FILING DATE: 12-OCT-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, S. Peter
REGISTRATION NUMBER: 25,351
REFERENCE/DOCKET NUMBER: 0372/0A462
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 31571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: PKD1 GENOMIC
US-08-323-443B-1

Query Match 100.0%; Score 29; DB 1; Length 31571;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CCATCCACCTGCTGTGACCTGGTAAAT 29
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DB 1448 CCATCCACCTGCTGTGACCTGGTAAAT 1476

RESULT 2

US-08-658-136-2
Sequence 2, Application US/08658136
Patent No. 6071717
GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W
APPLICANT: LANDES, GREGORY M
APPLICANT: BURN, TIMOTHY C
APPLICANT: CONNORS, TIMOTHY D
APPLICANT: DACKOWSKI, WILLIAM
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENZYME CORPORATION
STREET: ONE MOUNTAIN ROAD
CITY: FRAMINGHAM
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 01701

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/658,136
FILING DATE:
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: LASSEN, ELIZABETH
REGISTRATION NUMBER: 31,845
REFERENCE/DOCKET NUMBER: GEN4-17.8
TELECOMMUNICATION INFORMATION:
TELEPHONE: 508-872-8400
TELEFAX: 508-872-5415
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 53526 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-658-136-2

Query Match 100.0%; Score 29; DB 3; Length 53526;
Best Local Similarity 100.0%; Pred. No. 0.0022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CCATCCACCTGCTGTGACCTGGTAAAT 29
|||||
DB 2043 CCATCCACCTGCTGTGACCTGGTAAAT 2071

RESULT 3

US-08-658-136-1
Sequence 1, Application US/08658136
Patent No. 6071717
GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W
APPLICANT: LANDES, GREGORY M
APPLICANT: BURN, TIMOTHY C

APPLICANT: CONNORS, TIMOTHY D
APPLICANT: DACKOWSKI, WILLIAM
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENZYME CORPORATION
STREET: ONE MOUNTAIN ROAD
CITY: FRAMINGHAM
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 01701

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/658,136
FILING DATE:
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: LASSEN, ELIZABETH
REGISTRATION NUMBER: 31,845
REFERENCE/DOCKET NUMBER: GEN4-17.8
TELECOMMUNICATION INFORMATION:
TELEPHONE: 508-872-8400
TELEFAX: 508-872-5415
INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 53577 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-658-136-1

Query Match 100.0%; Score 29; DB 3; Length 53577;
Best Local Similarity 100.0%; Pred. No. 0.0022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CCATCCACCTGCTGTGACCTGGTAAAT 29
|||||
DB 2043 CCATCCACCTGCTGTGACCTGGTAAAT 2071

RESULT 4

US-09-479-309-3/c
Sequence 3, Application US/09479309
Patent No. 6110691
GENERAL INFORMATION:
APPLICANT: Wang, Xiaodong
APPLICANT: Du, Chunying
TITLE OF INVENTION: Activators of Caspases
FILE REFERENCE: UTSD0630
CURRENT APPLICATION NUMBER: US/09/479,309
CURRENT FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
LENGTH: 720
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: Sequence
US-09-479-309-3

Query Match 63.4%; Score 18.4; DB 3; Length 720;
Best Local Similarity 78.6%; Pred. No. 38;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

GenCore version 5.1.1.3
Copyright (C) 1993 - 2003 CompuGen Ltd.

WM nucleic - nucleic search, using sw model

Run on: January 31, 2003, 18:57:08 ; Search time 28.0333 seconds
(without alignments)
317.252 Million cell updates/sec

Title: US-09-904-968A-3
Perfect score: 29
Sequence: 1 coateccactgctgtgtgacccctggttaat 29

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362-seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	29	100.0	31571	1 US-08-323-443B-1	Sequence 1, Appl
2	29	100.0	53526	3 US-08-658-136-2	Sequence 2, Appl
3	29	100.0	53577	3 US-08-658-136-1	Sequence 1, Appl
C 4	18.4	63.4	720	3 US-09-479-309-3	Sequence 3, Appl
C 5	18.4	63.4	720	3 US-09-479-309-5	Sequence 5, Appl
6	18.4	63.4	9721	4 US-09-345-217-2	Sequence 2, Appl
C 7	18.4	63.4	15602	4 US-09-844-634-17	Sequence 17, Appl
C 8	18.4	63.4	152331	3 US-09-128-155-16	Sequence 16, Appl
C 9	18.4	63.4	176373	3 US-09-128-155-17	Sequence 17, Appl
C 10	18	62.1	246240	2 US-08-724-394A-20	Sequence 20, Appl
C 11	18	62.1	246240	2 US-08-724-394A-21	Sequence 21, Appl
C 12	18	62.1	246240	2 US-08-724-394A-22	Sequence 22, Appl
13	17.8	61.4	357	4 US-09-180-700-1	Sequence 1, Appl
14	17.8	61.4	1207	1 US-08-362-670B-3	Sequence 3, Appl
15	17.8	61.4	1207	3 US-08-333-576C-3	Sequence 3, Appl
16	17.8	61.4	1207	3 US-08-289-272E-1	Sequence 1, Appl
17	17.8	61.4	1207	4 US-09-054-576B-1	Sequence 1, Appl
18	17.8	61.4	1207	4 US-08-808-324-3	Sequence 3, Appl
19	17.8	61.4	1207	5 PCT-US94-14030A-3	Sequence 1, Appl
20	17.8	61.4	2703	2 US-08-288-508C-1	Sequence 1, Appl
21	17.8	61.4	2703	4 US-09-180-700-4	Sequence 4, Appl
22	17.8	61.4	2742	3 US-08-911-853-16	Sequence 16, Appl
23	17.8	61.4	2742	4 US-09-479-409-16	Sequence 16, Appl
24	17.8	61.4	2742	4 US-09-479-453-16	Sequence 16, Appl
C 25	17.8	61.4	12886	4 US-09-453-702B-14	Sequence 14, Appl
C 26	17.8	61.4	17612	3 US-08-911-853-29	Sequence 29, Appl
27	17.8	61.4	17612	4 US-09-479-409-29	Sequence 29, Appl

Sequence 29, Appl
Sequence 90, Appl
Sequence 1, Appl
Sequence 7, Appl
Sequence 7, Appl
Sequence 7, Appl
Sequence 7, Appl
Sequence 7, Appl
Sequence 7, Appl
Sequence 18, Appl
Sequence 129, Appl
Sequence 51, Appl
Sequence 53, Appl
Sequence 4, Appl
Sequence 358, Appl
Sequence 168, Appl
Sequence 31, Appl
Sequence 160, Appl
Sequence 16, Appl
Sequence 64, Appl

28 17.8 61.4 17612 4 US-09-479-453-29
C 29 17.4 60.0 1821 4 US-09-149-475-90
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C 31 17.2 59.3 7676 1 US-08-451-777A-7
C 32 17.2 59.3 7676 2 US-08-451-778A-7
C 33 17.2 59.3 7676 2 US-08-998-208-7
C 34 17.2 59.3 7676 5 PCT-US95-06743-7
C 35 17 58.6 108 2 US-08-912-129A-18
36 17 58.6 546 4 US-09-643-597-125
37 17 58.6 1125 2 US-08-912-129A-51
38 17 58.6 1860 2 US-08-912-129A-53
39 17 58.6 2286 3 US-09-176-657-4
C 40 17 58.6 2773 4 US-09-643-597-358
C 41 17 58.6 2784 4 US-09-643-597-168
C 42 17 58.6 2970 4 US-09-193-562D-31
C 43 17 58.6 3951 4 US-09-643-597-160
C 44 17 58.6 3969 1 US-08-026-138E-16
C 45 17 58.6 7430 4 US-08-970-259-64

ALIGNMENTS

RESULT 1
US-08-323-443B-1
Sequence 1, Application US/08323443B
Patent No. 5,633,041
GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W.
APPLICANT: LANDES, GREGORY M.
APPLICANT: BURN, TIMOTHY C.
APPLICANT: CONNORS, TIMOTHY D.
APPLICANT: DACKOWSKI, WILLIAM R.
APPLICANT: GERINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/323,443B
FILING DATE: 12-OCT-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, S. Peter
REGISTRATION NUMBER: 25,351
REFERENCE/DOCKET NUMBER: 0372/0A462
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 31571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: PKD1 GENOMIC
US-08-323-443B-1

Query Match 100.0%; Score 29; DB 1; Length 31571;
Best Local Similarity 100.0%; Pred. No. 0.0022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 CCATCCACTGCTGTGTGACCTGGTAAAT 29
|||||
1448 CCATCCACTGCTGTGTGACCTGGTAAAT 1476

RESULT 2
S-08-658-136-2
Sequence 2, Application US/08658136
Patent No. 6071717
GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W
APPLICANT: LANDES, GREGORY M
APPLICANT: BURN, TIMOTHY C
APPLICANT: CONNORS, TIMOTHY D
APPLICANT: DACKOWSKI, WILLIAM
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENZYME CORPORATION
STREET: ONE MOUNTAIN ROAD
CITY: FRAMINGHAM
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 01701

COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/658,136
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: LASSEN, ELIZABETH
REGISTRATION NUMBER: 31,845
REFERENCE/DOCKET NUMBER: GEN4-17.8
TELECOMMUNICATION INFORMATION:
TELEPHONE: 508-872-8400
TELEFAX: 508-872-5415
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 53526 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

S-08-658-136-2
Query Match 100.0%; Score 29; DB 3; Length 53526;
Best Local Similarity 100.0%; Pred. No. 0.0022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 CCATCCACTGCTGTGTGACCTGGTAAAT 29
|||||
2043 CCATCCACTGCTGTGTGACCTGGTAAAT 2071

RESULT 3
S-08-658-136-1
Sequence 1, Application US/08658136
Patent No. 6071717
GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W
APPLICANT: LANDES, GREGORY M
APPLICANT: BURN, TIMOTHY C

APPLICANT: CONNORS, TIMOTHY D
APPLICANT: DACKOWSKI, WILLIAM
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENZYME CORPORATION
STREET: ONE MOUNTAIN ROAD
CITY: FRAMINGHAM
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 01701

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/658,136
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: LASSEN, ELIZABETH
REGISTRATION NUMBER: 31,845
REFERENCE/DOCKET NUMBER: GEN4-17.8
TELECOMMUNICATION INFORMATION:
TELEPHONE: 508-872-8400
TELEFAX: 508-872-5415

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 53577 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-658-136-1

Query Match 100.0%; Score 29; DB 3; Length 53577;
Best Local Similarity 100.0%; Pred. No. 0.0022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCATCCACTGCTGTGTGACCTGGTAAAT 29
|||||
DB 2043 CCATCCACTGCTGTGTGACCTGGTAAAT 2071

RESULT 4
US-09-479-309-3/c
Sequence 3, Application US/09479309
Patent No. 6110691
GENERAL INFORMATION:
APPLICANT: Wang, Xiaodong
APPLICANT: Du, Chunying
TITLE OF INVENTION: Activators of Caspases
FILE REFERENCE: UTSD0630
CURRENT APPLICATION NUMBER: US/09/479,309
CURRENT FILING DATE: 2000-01-06
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 3
LENGTH: 720
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Sequence
OTHER INFORMATION: Sequence
US-09-479-309-3

Query Match 63.4%; Score 18.4; DB 3; Length 720;
Best Local Similarity 78.6%; Pred. No. 38;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 31, 2003, 18:57:08 : Search time 25.1333 Seconds
(without alignments)
317.252 Million cell updates/sec

Title: US-09-904-968A-4

Perfect score: 26

Sequence: 1 ccacctatcgcccttctactaacat 26

Scoring table: IDENTITY_NUC

Gapop 10.0, Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
- 4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
- 5: /cgn2_6/ptodata/2/ina/PTUS_COMB.seq:*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query Match	Length	DB ID	Description
1	26	100.0	31571	1	US-08-323-443B-1
2	26	100.0	53526	3	US-08-658-136-2
3	26	100.0	53577	3	US-08-658-136-1
4	17.6	67.7	8000	4	US-09-415-784-101
5	17.6	67.7	8000	4	US-09-415-784-102
6	17.6	67.7	8000	4	US-09-415-785A-101
7	17.6	67.7	8000	4	US-09-415-785A-102
8	17.6	67.7	8000	4	US-08-944-465-101
9	17.6	67.7	8000	4	US-08-944-465-102
10	17.6	67.7	8000	4	US-09-415-858-101
11	17.6	67.7	8000	4	US-09-415-858-102
12	17.6	67.7	8000	4	US-09-415-900-101
13	17.6	67.7	8000	4	US-09-415-900-102
14	17.6	67.7	11703	1	US-08-801-263A-8
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21	17.6	67.7	13905	4	US-08-972-218-1
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24	17.6	67.7	16556	2	US-08-739-167-1
25	17.6	67.7	16556	3	US-08-404-796-1
26	17.6	67.7	16556	3	US-08-931-869-1
27	17.6	67.7	16556	4	US-09-350-399-1

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Sequence 258, App
Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-08-323-443B-1
: Sequence 1, Application US/08323443B
: Patent No. 5654170
: GENERAL INFORMATION:
: APPLICANT: KLINGER, KATHERINE W.
: APPLICANT: LANDES, GREGORY M.
: APPLICANT: BURN, TIMOTHY C.
: APPLICANT: CONNORS, TIMOTHY D.
: APPLICANT: DACKOWSKI, WILLIAM R.
: APPLICANT: GERMINO, GREGORY
: APPLICANT: QIAN, FENG
: TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
: NUMBER OF SEQUENCES: 8
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Darby & Darby PC
: STREET: 805 Third Avenue
: CITY: New York
: STATE: NY
: COUNTRY: USA
: ZIP: 10022
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/323,443B
: FILING DATE: 12-OCT-1994
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Ludwig, S. Peter
: REGISTRATION NUMBER: 25,351
: REFERENCE/DOCKET NUMBER: 0372/0A462
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (212) 527-7700
: TELEFAX: (212) 753-6237
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 31571 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: HYPOTHETICAL: NO
: ORIGINAL SOURCE:
: ORGANISM: Homo sapiens
: IMMEDIATE SOURCE:
: CLONE: PKD1 GENOMIC
US-08-323-443B-1

Query Match 100.0%; Score 26; DB 1; Length 31571;
Best Local Similarity 100.0%; Pred. No. 0.0037;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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2619 CCACCTCATCGCCCTTCCTAAGCAT 2644

SULT 2
-08-658-136-2/c
Sequence 2, Application US/08658136
Patent No. 6071717

GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W
APPLICANT: LANDES, GREGORY M
APPLICANT: BURN, TIMOTHY C
APPLICANT: CONNORS, TIMOTHY D
APPLICANT: DACKOWSKI, WILLIAM
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
STREET: ONE MOUNTAIN ROAD
CITY: FRAMINGHAM
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 01701

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/658,136
FILING DATE:
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: LASSEN, ELIZABETH
REGISTRATION NUMBER: 31,845
REFERENCE/DOCKET NUMBER: GEN4-17.8
TELECOMMUNICATION INFORMATION:
TELEPHONE: 508-872-8400
TELEFAX: 508-872-5415

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 53526 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

-08-658-136-2

Query Match 100.0%; Score 26; DB 3; Length 53526;
Best Local Similarity 100.0%; Pred. No. 0.004;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 CCACCTCATCGCCCTTCCTAAGCAT 26
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4315 CCACCTCATCGCCCTTCCTAAGCAT 4290

SULT 3
-08-658-136-1/c
Sequence 1, Application US/08658136
Patent No. 6071717

GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W
APPLICANT: LANDES, GREGORY M
APPLICANT: BURN, TIMOTHY C

APPLICANT: CONNORS, TIMOTHY D
APPLICANT: DACKOWSKI, WILLIAM
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
STREET: ONE MOUNTAIN ROAD
CITY: FRAMINGHAM
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 01701

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/658,136
FILING DATE:
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: LASSEN, ELIZABETH
REGISTRATION NUMBER: 31,845
REFERENCE/DOCKET NUMBER: GEN4-17.8
TELECOMMUNICATION INFORMATION:
TELEPHONE: 508-872-8400
TELEFAX: 508-872-5415

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 53577 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

US-08-658-136-1

Query Match 100.0%; Score 26; DB 3; Length 53577;
Best Local Similarity 100.0%; Pred. No. 0.004;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCACCTCATCGCCCTTCCTAAGCAT 26
|||||
DB 4314 CCACCTCATCGCCCTTCCTAAGCAT 4289

RESULT 4
US-09-415-784-101
Sequence 101, Application US/09415784
Patent No. 6391632

GENERAL INFORMATION:
APPLICANT: Dubensky Jr., Thomas W.
Polo, John M.
Belli, Barbara A.
Schlesinger, Sondra
Dryga, Sergey A.
Frolov, Ilya

TITLE OF INVENTION: RECOMBINANT ALPHAVIRUS-BASED VECTORS
WITH REDUCED INHIBITION OF CELLULAR MACRO-MOLECULAR
SYNTHESIS

NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property Law Group PLLC
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

GenCore version 5.1.3
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nucleic - nucleic search, using sw model

in on: January 31, 2003, 18:57:08 ; Search time 18.3667 seconds
(without alignments)
317.252 Million cell updates/sec

file: US-09-904-968A-19

infect score: 19

sequence: 1 ggtcgcctgtggaagg 19

scoring table: IDENTITY_NUC

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arched: 441362 seqs, 15338381 residues

total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Issued_Patents_NA.*

- 1: /cgn2.6/ptodata/2/ina/5A-COMB.seq.*
- 2: /cgn2.6/ptodata/2/ina/5B-COMB.seq.*
- 3: /cgn2.6/ptodata/2/ina/5A-COMB.seq.*
- 4: /cgn2.6/ptodata/2/ina/5B-COMB.seq.*
- 5: /cgn2.6/ptodata/2/ina/5A-COMB.seq.*
- 6: /cgn2.6/ptodata/2/ina/5B-COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	19	100.0	31571	1	US-08-323-443B-1
2	19	100.0	53526	3	US-08-658-136-2
3	19	100.0	53577	3	US-08-658-136-1
4	15	78.9	633	4	US-08-998-416-1115
5	15	78.9	3396	4	US-09-668-680-6
6	15	78.9	3423	4	US-09-668-680-7
7	14.4	75.8	317	4	US-09-221-017B-595
8	14.4	75.8	1830	3	US-08-969-681A-66
9	14.4	75.8	15872	4	US-09-105-537-1
10	14.2	74.7	397	1	US-08-330-108-8
11	14.2	74.7	397	5	PCT-US92-10087-8
12	14.2	74.7	436	4	US-09-397-787-188
13	14.2	74.7	1476	4	US-08-824-874-2
14	14.2	74.7	1476	4	US-09-210-084-2
15	14.2	74.7	1960	2	US-08-463-081B-9
16	14.2	74.7	1960	2	US-08-461-379A-9
17	14.2	74.7	1960	2	US-08-462-390B-9
18	14.2	74.7	1960	3	US-08-463-074B-9
19	14.2	74.7	1960	3	US-08-465-585C-9
20	14.2	74.7	1960	3	US-08-465-585C-9
21	14.2	74.7	2370	1	US-08-104-072B-7
22	14.2	74.7	2370	1	US-08-351-413-8
23	14.2	74.7	2370	2	US-09-025-583-8
24	14.2	74.7	4029	1	US-07-862-021B-9
25	14.2	74.7	4029	1	US-08-313-288B-9
26	14.2	74.7	4029	5	PCT-US93-03164-9
27	14.2	74.7	5267	3	US-08-976-255-2

C 28	14.2	74.7	20235	1	US-07-642-734C-3
C 29	14.2	74.7	20235	3	US-08-439-009A-3
C 30	14.2	74.7	32207	2	US-08-770-379-20
C 31	14.2	74.7	32207	4	US-08-757-669A-20
C 32	14.2	74.7	32207	4	US-09-230-371A-20
C 33	14.2	74.7	16998	4	US-09-676-610B-24
C 34	14.2	74.7	23673	4	US-09-773-816-1
C 35	13.8	72.6	837	1	US-08-832-883-56
C 36	13.8	72.6	837	2	US-08-832-877-56
C 37	13.8	72.6	1727	3	US-08-999-733-2
C 38	13.8	72.6	9757	1	US-08-093-453B-1
C 39	13.8	72.6	9759	1	US-08-459-041A-1
C 40	13.8	72.6	9759	3	US-08-999-733-1
C 41	13.8	72.6	4411529	4	US-09-103-840A-1
C 42	13.4	70.5	1131	6	5168049-1
C 43	13.4	70.5	6909	4	US-08-199-637A-111
C 44	13.4	70.5	9960	3	US-08-822-586-46
C 45	13.4	70.5	4403765	4	US-09-103-840A-2

ALIGNMENTS

RESULT 1
US-08-323-443B-1/c
Sequence 1, Application US/08323443B
Patent No. 5654170
GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W.
APPLICANT: LANDES, GREGORY M.
APPLICANT: BURN, TIMOTHY C.
APPLICANT: CONNORS, TIMOTHY D.
APPLICANT: DACKOWSKI, WILLIAM R.
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10022

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/323,443B
FILING DATE: 12-OCT-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, S. Peter
REGISTRATION NUMBER: 25,351
REFERENCE/DOCKET NUMBER: 0372/0A462
TELEPHONE: (212) 527-7700
TELEFAX: (212) 527-7700
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 31571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: P301 GENOMIC
US-08-323-443B-1

Sequence 3, Appl:
Sequence 3, Appl:
Sequence 20, Appl:
Sequence 20, Appl:
Sequence 20, Appl:
Sequence 24, Appl:
Sequence 1, Appl:
Sequence 56, Appl:
Sequence 56, Appl:
Sequence 2, Appl:
Sequence 1, Appl:
Sequence 1, Appl:
Sequence 1, Appl:
Sequence 1, Appl:
Patent No. 5168049
Sequence 111, Appl:
Sequence 46, Appl:
Sequence 2, Appl:

Query Match 100.0%; Score 19; DB 1; Length 31571;
Best Local Similarity 100.0%; Pred. No. 0.72;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGTCCGCTGTGGCGAAGG 19
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Db 3599 GGTCCGCTGTGGCGAAGG 3581
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RESULT 2

US-08-658-136-2
; Sequence 2, Application US/08658136
; Patent No. 6071717
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W
; APPLICANT: LANDES, GREGORY M
; APPLICANT: BURN, TIMOTHY C
; APPLICANT: CONNORS, TIMOTHY D
; APPLICANT: DACKOWSKI, WILLIAM
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENZYME CORPORATION
; STREET: ONE MOUNTAIN ROAD
; CITY: FRAMINGHAM
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 01701

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/658,136
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: LASSEN, ELIZABETH
REGISTRATION NUMBER: 31,845
REFERENCE/DOCKET NUMBER: GEN4-17.8
TELECOMMUNICATION INFORMATION:
TELEPHONE: 508-872-8400
TELEFAX: 508-872-5415
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 53526 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-658-136-2

Query Match 100.0%; Score 19; DB 3; Length 53526;
Best Local Similarity 100.0%; Pred. No. 0.73;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3

US-08-658-136-1
; Sequence 1, Application US/08658136
; Patent No. 6071717
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W
; APPLICANT: LANDES, GREGORY M
; APPLICANT: BURN, TIMOTHY C

APPLICANT: CONNORS, TIMOTHY D
APPLICANT: DACKOWSKI, WILLIAM
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENZYME CORPORATION
STREET: ONE MOUNTAIN ROAD
CITY: FRAMINGHAM
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 01701

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/658,136
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: LASSEN, ELIZABETH
REGISTRATION NUMBER: 31,845
REFERENCE/DOCKET NUMBER: GEN4-17.8
TELECOMMUNICATION INFORMATION:
TELEPHONE: 508-872-8400
TELEFAX: 508-872-5415
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 53577 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-658-136-1

Query Match 100.0%; Score 19; DB 3; Length 53577;
Best Local Similarity 100.0%; Pred. No. 0.73;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 3334 GGTCCGCTGTGGCGAAGG 3352
|||||

RESULT 4

US-08-998-416-1115
; Sequence 1115, Application US/08998416
; Patent No. 6239264
; GENERAL INFORMATION:
; APPLICANT: Philippsen, Peter
; APPLICANT: Pohleann, Rainer
; APPLICANT: Steiner, Sabine
; APPLICANT: Mohr, Christine
; APPLICANT: Wendland, Jurgen
; APPLICANT: Knechtle, Philipp
; APPLICANT: Reibischung, Corinne
; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA MOSSEYI
; NUMBER OF SEQUENCES: 1152
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6239264artis Corporation
; STREET: 3054 Cornwallis Road
; CITY: Research Triangle Park
; STATE: No. 6239264th Carolina
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

NAME/KEY: misc_feature
LOCATION: 4574..8144
OTHER INFORMATION: /note- "N-linked glycosylation
OTHER INFORMATION: sites at following locations: 4559, 4574, 4631, 4763,
FEATURE:
NAME/KEY: misc_feature
LOCATION: 8363..11741
OTHER INFORMATION: /note- "N-linked glycosylation
OTHER INFORMATION: sites at following locations: 8471, 8663, 8732, 8843,
FEATURE:
NAME/KEY: misc_feature
LOCATION: 7949..8009
OTHER INFORMATION: /note- "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 8288..8348
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LOCATION: 9434..9494
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LOCATION: 10052..10112
OTHER INFORMATION: /note- "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
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LOCATION: 10178..10238
OTHER INFORMATION: /note- "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
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LOCATION: 10886..10946
OTHER INFORMATION: /note- "Predicted transmembrane
OTHER INFORMATION: domain"
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LOCATION: 10935..11015
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OTHER INFORMATION: domain"
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LOCATION: 11216..11276
OTHER INFORMATION: /note- "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
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LOCATION: 11894..11954
OTHER INFORMATION: /note- "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 12293..12353
OTHER INFORMATION: /note- "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 12377..12437
OTHER INFORMATION: /note- "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 212..278
OTHER INFORMATION: /note- "Possible hinge sequence"
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NAME/KEY: misc_feature
LOCATION: 279
OTHER INFORMATION: /note- "Cleavage site"

Query Match 100.0%; Score 16; DB 4; Length 34148;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGCGGGGGCGCATCGT 16
DB 224 CGCGGGGGCGCATCGT 209
RESULT 4
US-08-323-443B-1
; Sequence 1, Application US/08323443B
; Patent No. 5654170
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W.
; APPLICANT: LANDES, GREGORY M.
; APPLICANT: BURN, TIMOTHY C.
; APPLICANT: CONNORS, TIMOTHY D.
; APPLICANT: DACKOWSKI, WILLIAM R.
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Darby & Darby PC
; STREET: 805 Third Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/323,443B
; FILING DATE: 12-OCT-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lucwig, S. Peter
; REGISTRATION NUMBER: 25,351
; REFERENCE/DOCKET NUMBER: 0372/0A46Z
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 527-7700
; TELEFAX: (212) 753-6237
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31571 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: PKD1 GENOMIC
US-08-323-443B-1
Query Match 100.0%; Score 16; DB 1; Length 31571;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGCGGGGGCGCATCGT 16
DB 3273 CGCGGGGGCGCATCGT 3288
RESULT 5
US-08-658-136-2/c
; Sequence 2, Application US/08658135